

PROJECT NUMBER: 6505

PROJECT TITLE : Special Investigations and Methods Development

PROJECT LEADER: William R. Harvey

PERIOD COVERED: September, 1985

I. METALS DETERMINATION IN PLANTS

Samples continue to be received for Cd determination. Output has been delayed by instrument downtime. This has been corrected and results should be forthcoming.

II. COOKED FLAVOR SUPPORT

A. Continuous Flow

Experiments continue in the stainless steel coil. A preliminary experiment indicates laminar flow. Plugging has occurred in the tubing which may have been due to improper flushing. A fast flushing system is now in use.

B. Support for Other Processes

IC scans continue to be run in support of this effort.

III. CGI SUPPORT

A potentiometric procedure for the determination of chlorides in green tobacco is being developed for use by CGI personnel.

IV. RL INVESTIGATIONS

A. Sorbitol Determination

A direct determination for sorbitol in RL sheet has been developed. This IC procedure has been written and will be issued shortly.

B. Volatile Acids in RL

Work on the above procedure continues. An effort is in progress which might make the TVA procedure correlate better with the total of formic acid and acetic acid determinations by ion chromatography.

V. MEMOS

1. William R. Harvey to Dr. Richard Cox, "Stability of glucosylamine and 2,5 deoxyfructosazine", September 3, 1985.
2. W. Harvey to R. Comes, "Chromium and Nickel in Precook Samples 7501-94, -115 and -142", September 16, 1985.

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William R. Harvey